

REMARKS

In the Non-Final Office action dated February 22, 2006, claims 1-47 are pending in the application. Claims 1-4, 11-16, 19-24, 26-28, and 38-39 stand rejected. More particularly, claims 1-3, 11-16, 19-24, 26-28, 38, and 39 are rejected under 35 U.S.C. §103(a) over U.S. 6,052,600 to Fette (Fette) in view of U.S. 6,819,681 to Hariharasubrahmanian (Hariharasubrahmanian), and claim 4 is rejected under 35 U.S.C. §103(a) over Fette in view of Hariharasubrahmanian, and further in view of U.S. Publication 2003/0189900 to Barany. Applicants appreciatively acknowledge that claims 5-10, 17-18, 25, 29-37, and 40-47 are indicated to include allowable subject matter.

Applicants amend claim 1 to include the limitations of claim 7, and to recite that the at least two functional modules provide “respective functional aspects” of the radio. Applicants similarly amend independent claims 26 and 38. Applicants amend dependent claim 14 to recite that the at least two functional modules comprise respective network controllers and respective network connectors adapted for communicating according to the packet network protocols. Applicants amend dependent claim 15 to recite that the at least two functional modules comprise “respective memory units” and “respective processing units.” Applicants amend claim 8 to correct a matter of form. Applicants add new claims 48-57. Applicants cancel claims 5-7, 29, 33-34, 40, and 44 without prejudice. All amendments and new claims are supported in the specification and figures of this application, and no new matter is added.

As noted by the Examiner, claim 7 includes allowable subject matter. Since independent claims 1, 26, and 38 are amended to include this subject matter, Applicants request reconsideration and withdrawal of the rejections to these claims. All other rejected claims (claims 2-4, 11-16, 19-24, 27-28, and 39) depend from these independent claims and add further limitations thereto. Thus, Applicants request reconsideration and withdrawal of the rejections to these claims.

New independent claim 49 relates to a programmable radio having at least two functional modules that include respective network controllers adapted for communicating according to a packet network protocol, and an internal network connecting the at least two functional modules. Applicants submit that this claim is allowable over the references cited by the Examiner. Fette

relates to a software programmable radio 200. As noted by the Examiner, Fette does not disclose packet network protocols. Moreover, Fette does not disclose a radio comprising at least two functional modules having respective network controllers for communicating according to a packet network protocol. In its rejection of claim 14, the Examiner states that Fette discloses a network controller in connection with element 204 of Figure 2. However, Fette does not disclose or suggest at least two functional modules with respective network controllers, and furthermore Fette does not disclose any network controller adapted for communicating according to a packet network protocol at all. Neither Hariharasubrahmanian nor Barany cures this deficiency. More particularly, neither of these references disclose or suggest a network controller, adapted for communicating according to a packet network protocol, in a functional module of a programmable radio. Since none of these references disclose this explicitly recited feature of claim 49, Applicants submit that this claim is patentable over the cited art.

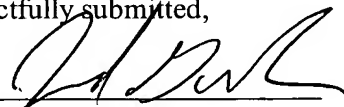
New independent claim 54 includes similar distinguishing features. New dependent claim 48 depends from claim 1, new dependent claims 50-53 depend from claim 49, new dependent claims 55-56 depend from claim 54, and new dependent claim 57 depends from claim 38. These dependent claims add limitations to their respective independent claims. Therefore, Applicants submit that these claims are patentable over the cited art.

Applicants believe the pending application is in condition for allowance.

Applicant believes no additional fee is due with this response other than that submitted herewith. However, if an additional fee is due, please charge our Deposit Account No. 18-1945, under Order No. BBNT-P01-155 from which the undersigned is authorized to draw.

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Respectfully submitted,

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